

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

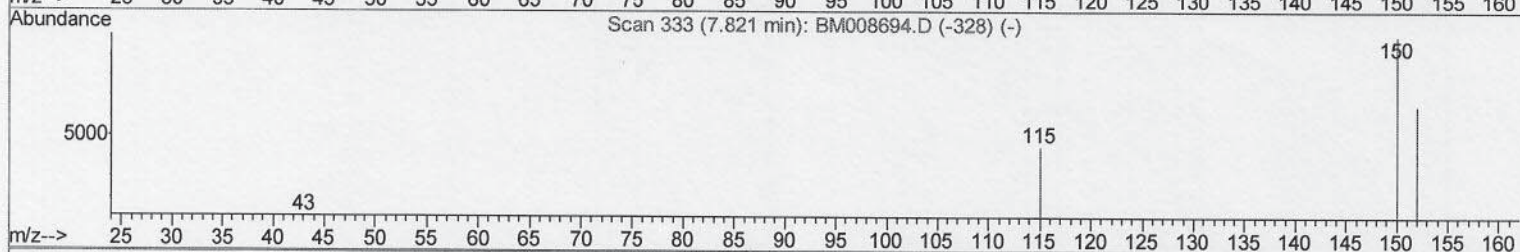
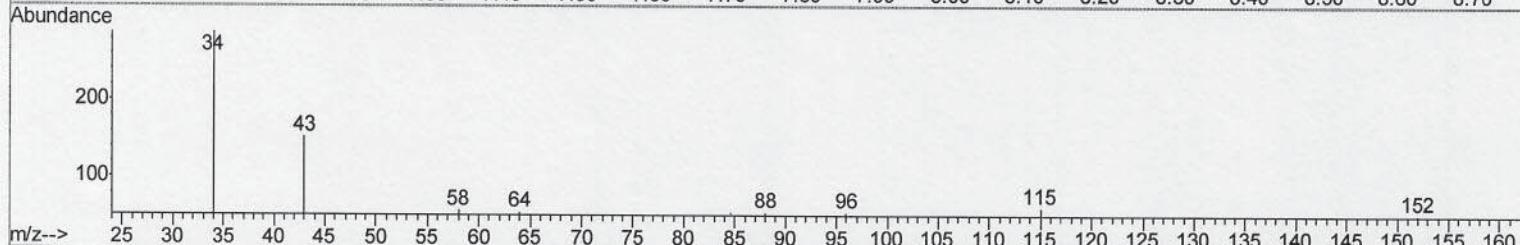
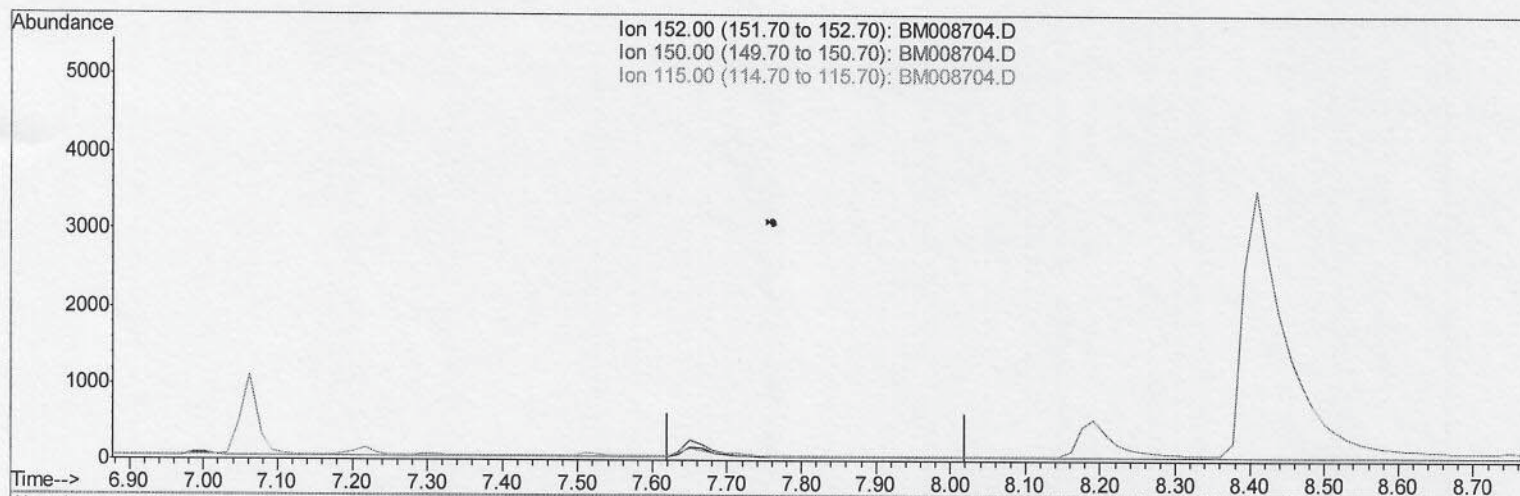
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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TIC: BM008704.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.821min (-7.821) 0.00ng/ul

response 0

Ion	Exp%	Act%
152.00	100	0.00
150.00	143.40	0.00#
115.00	64.90	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

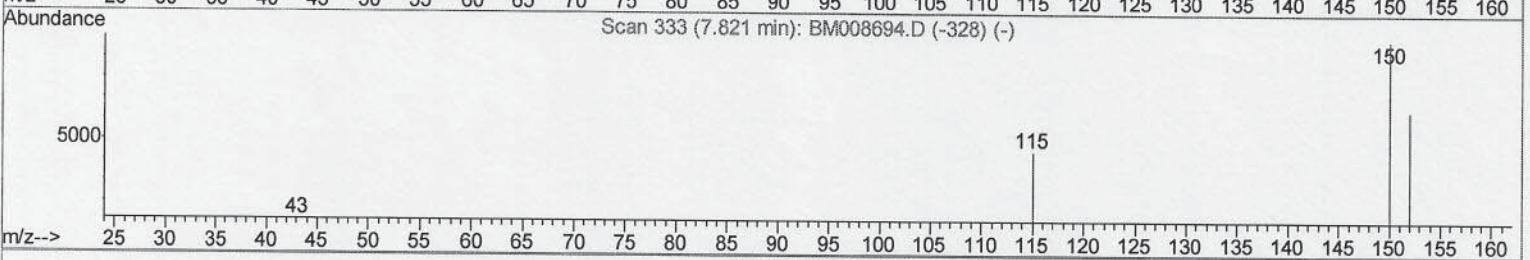
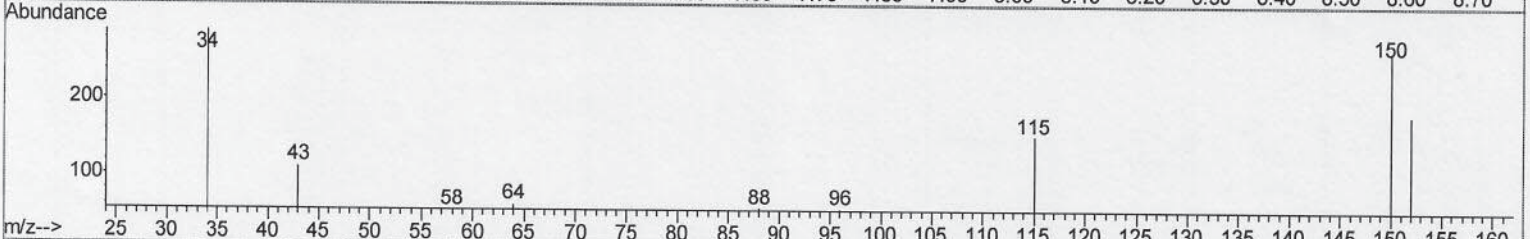
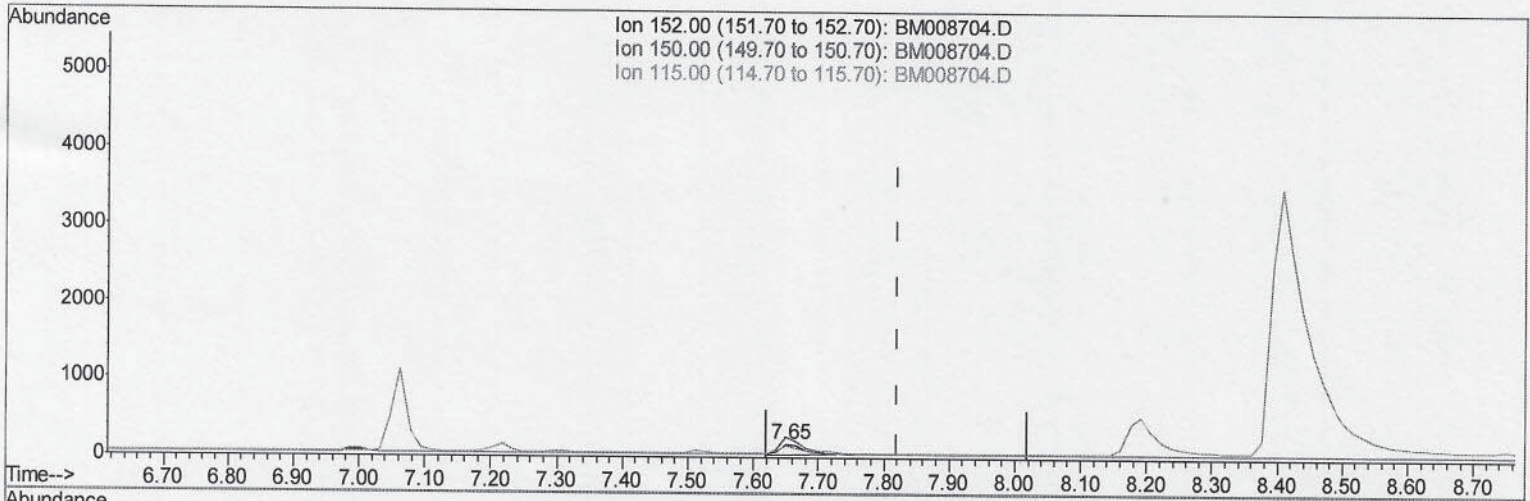
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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TIC: BM008704.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.650min (-0.170) 0.40ng/ul m

response 444

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	144.81
115.00	64.90	83.61#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

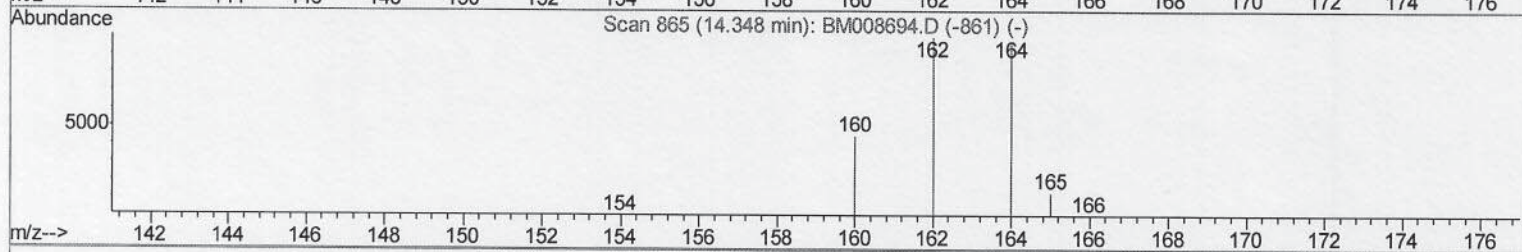
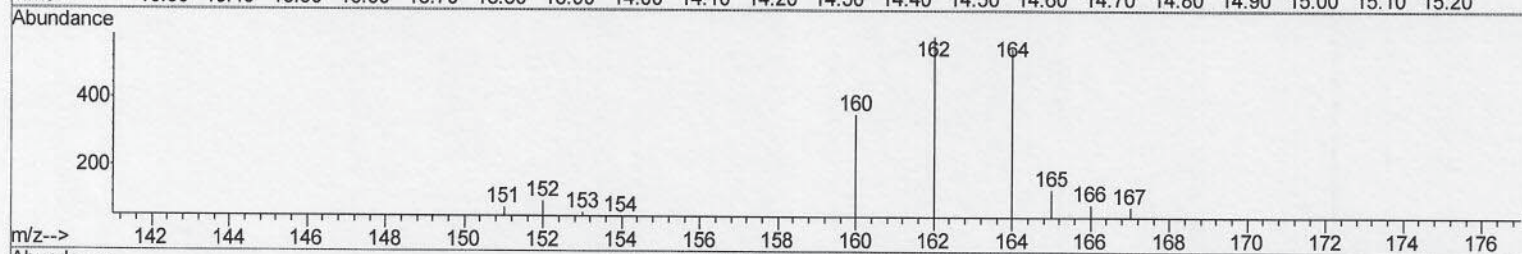
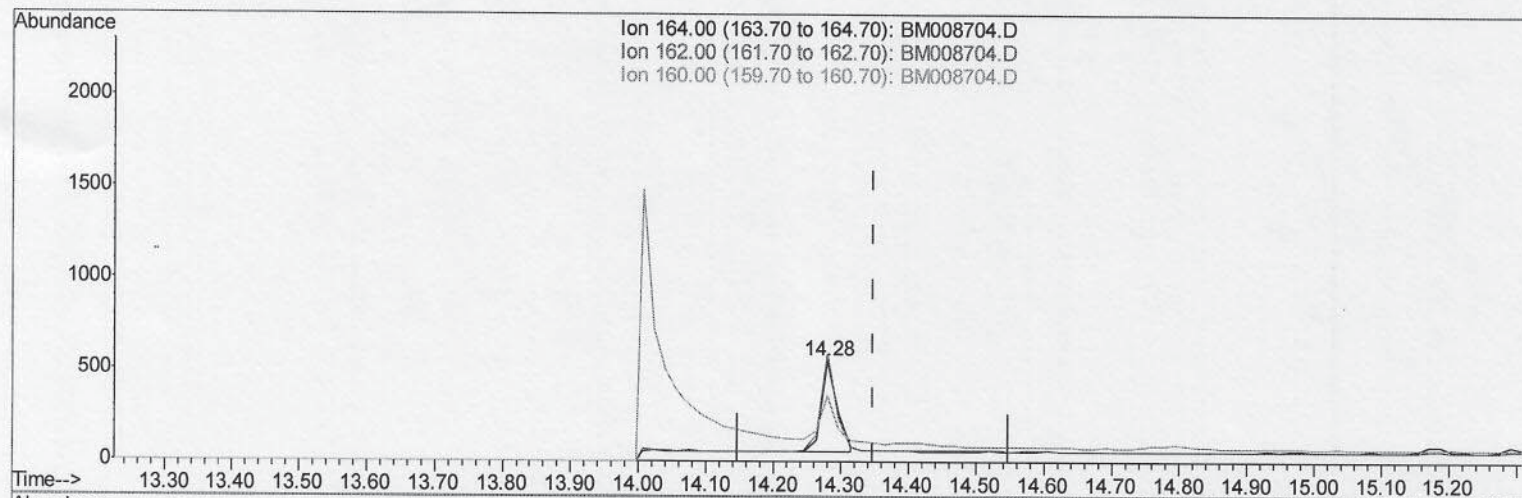
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

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TIC: BM008704.D

(6) Acenaphthene-d10 (I)

14.280min (-0.069) 0.40ng/ul

response 807

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	106.95
160.00	48.80	64.90#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

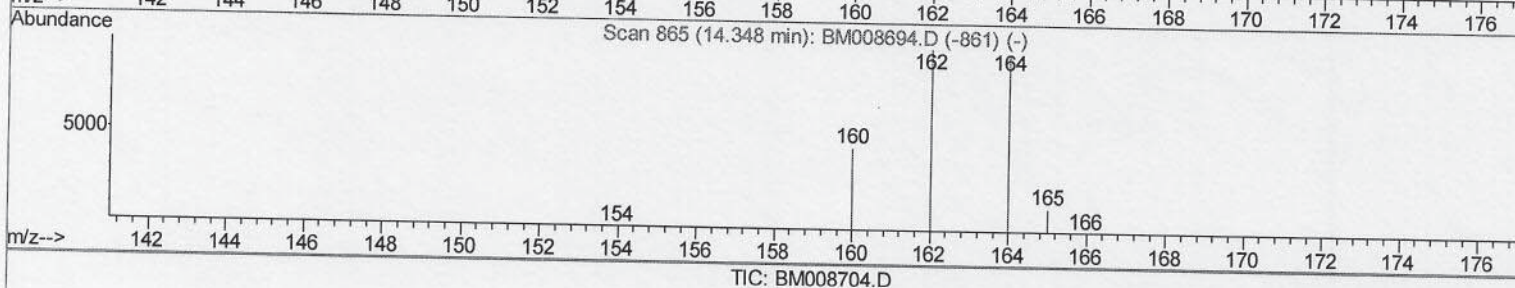
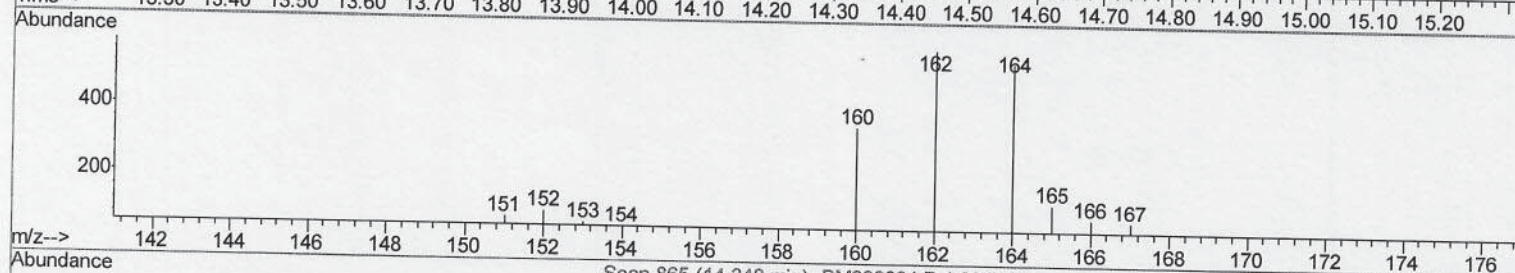
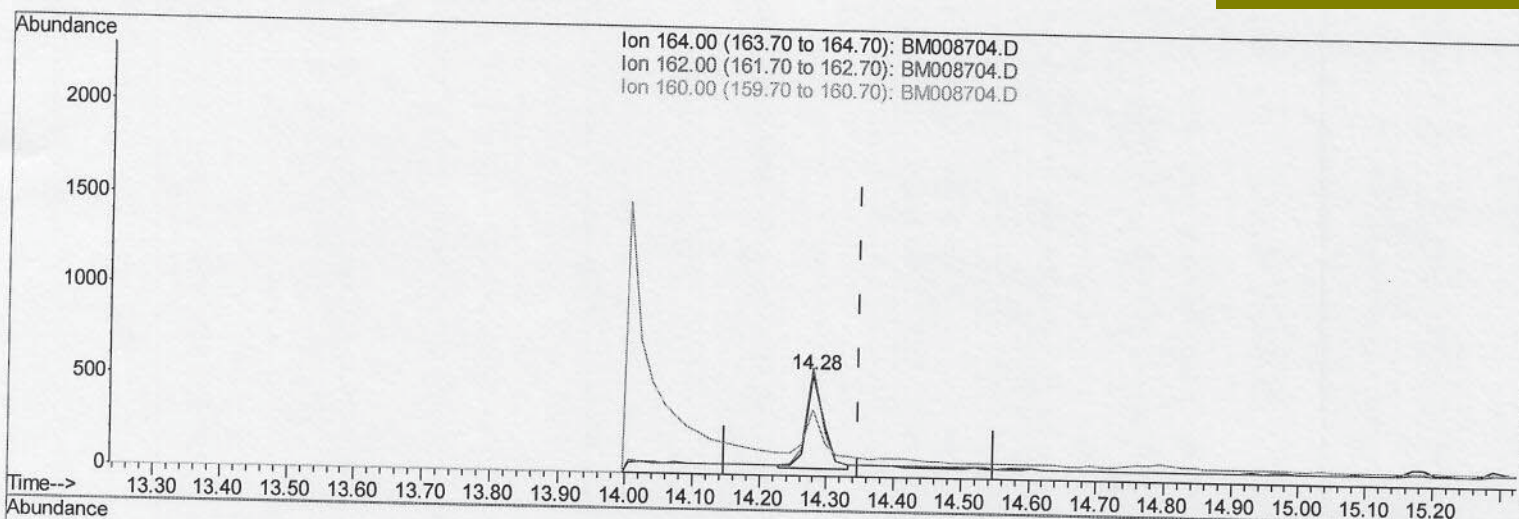
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

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TIC: BM008704.D

(6) Acenaphthene-d10 (I)

14.280min (-0.069) 0.40ng/ul m

response 894

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Ion	Exp%	Act%
164.00	100	100
162.00	98.60	106.95
160.00	48.80	64.90#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

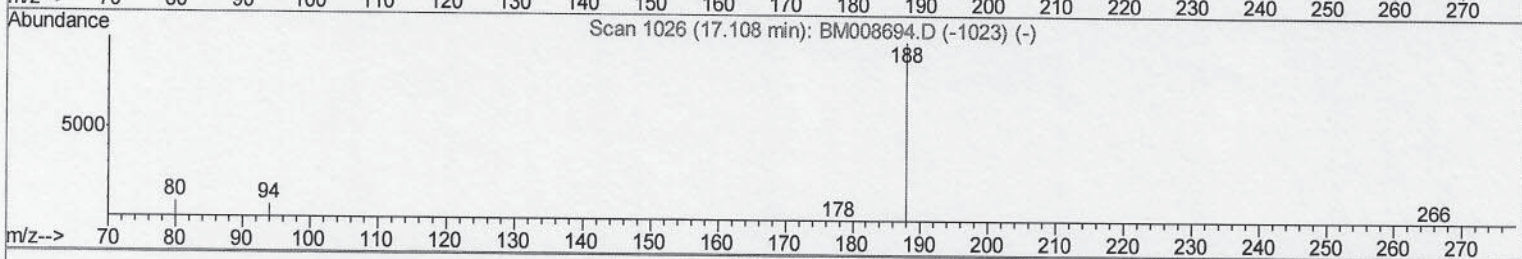
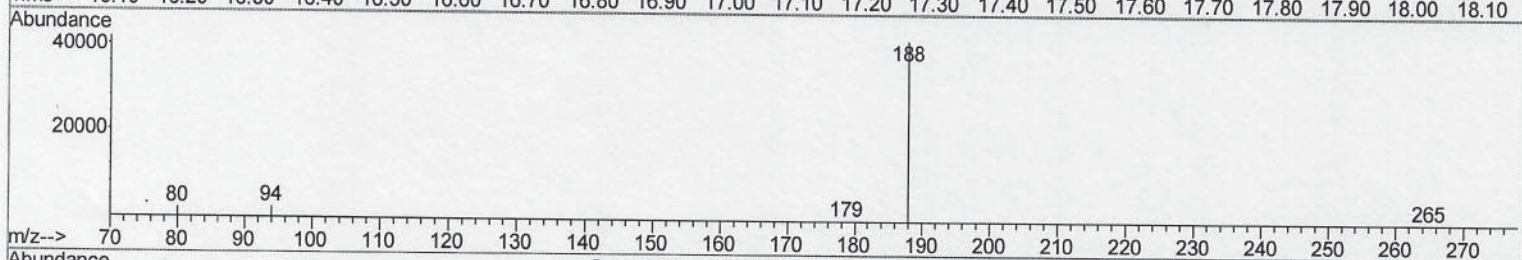
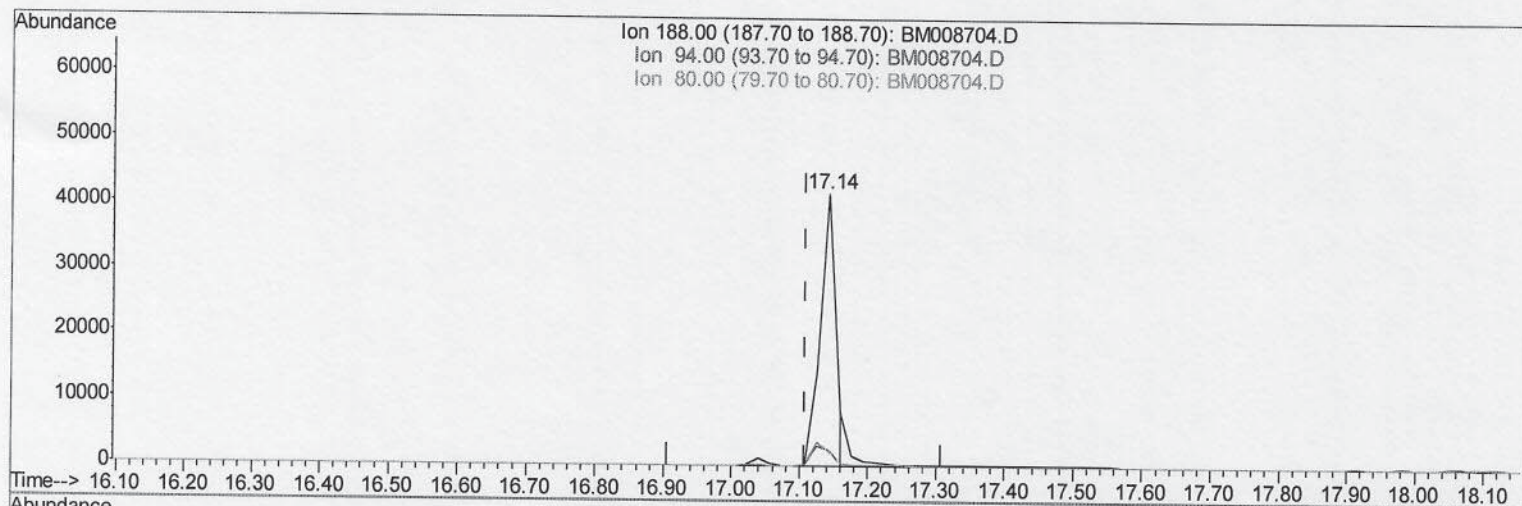
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM008704.D

(10) Phenanthrene-d10 (I)
 17.142min (+0.034) 0.40ng/ul
 response 65950

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	6.14#
80.00	11.80	5.50#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

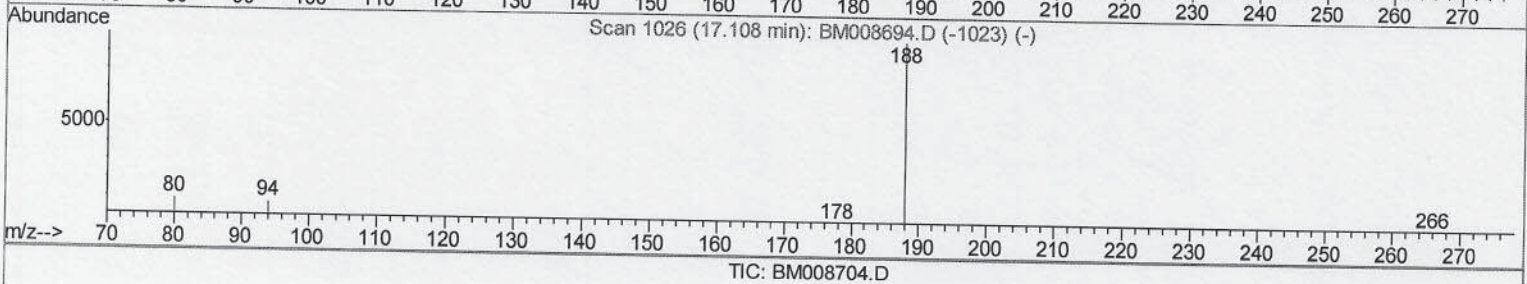
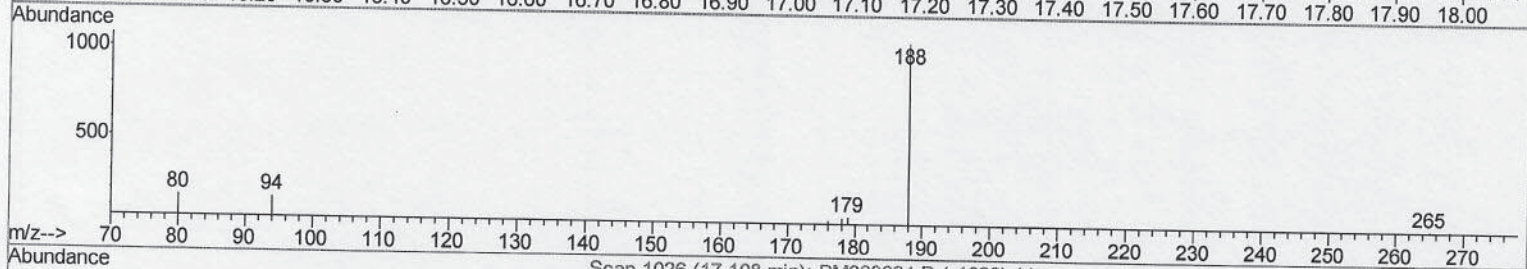
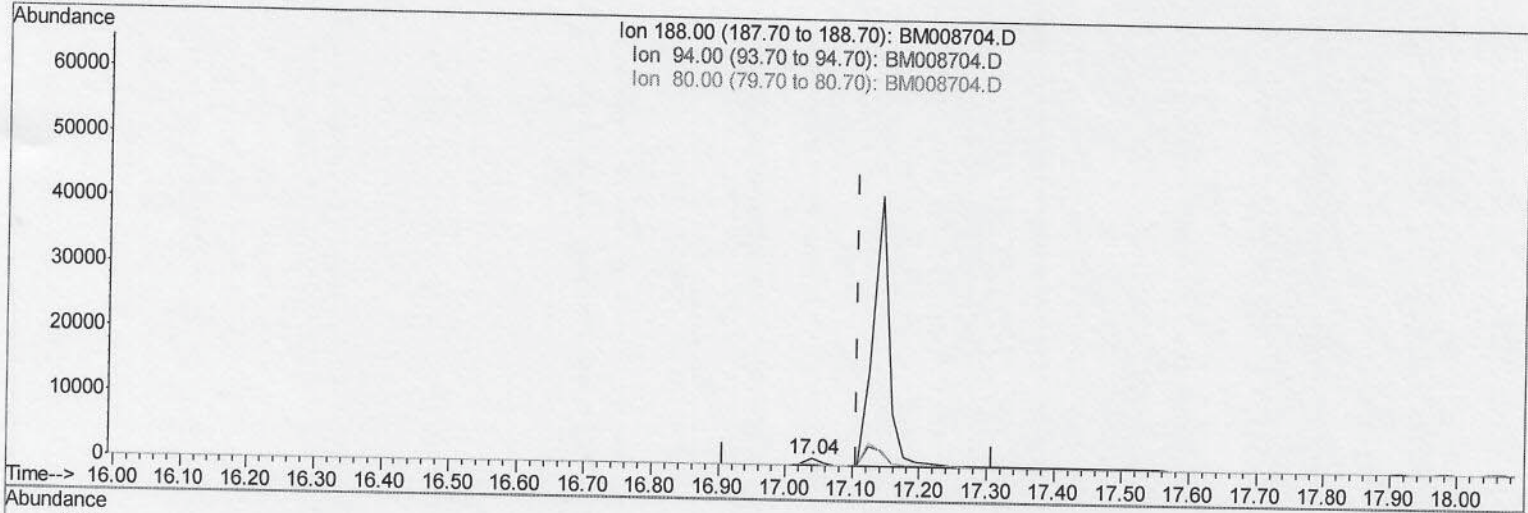
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(10) Phenanthrene-d10 (I)

17.039min (-0.069) 0.40ng/ul m

response 1781

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Ion	Exp%	Act%
188.00	100	100
94.00	11.00	15.03#
80.00	11.80	15.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

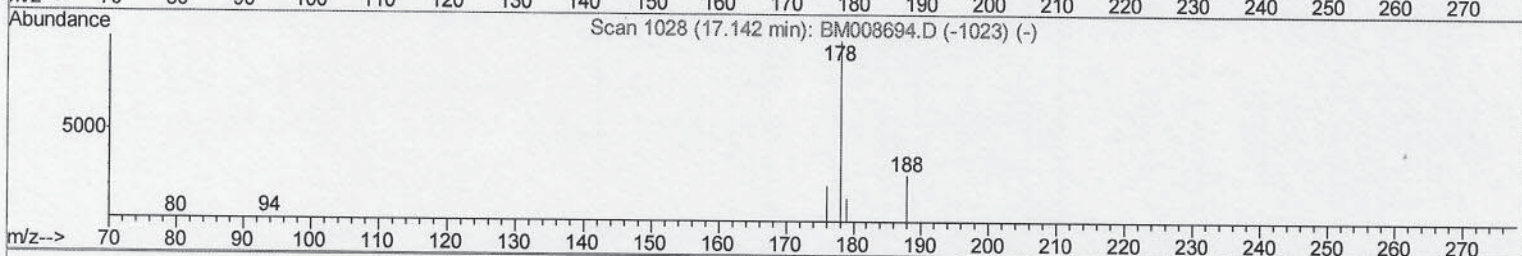
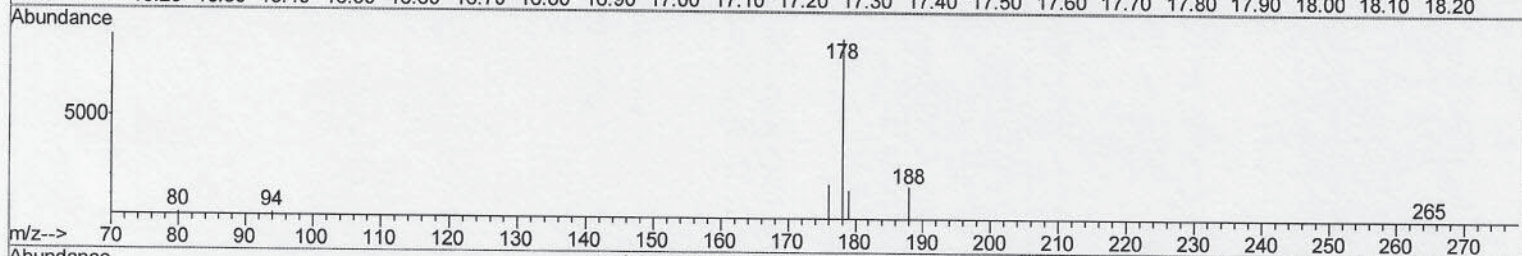
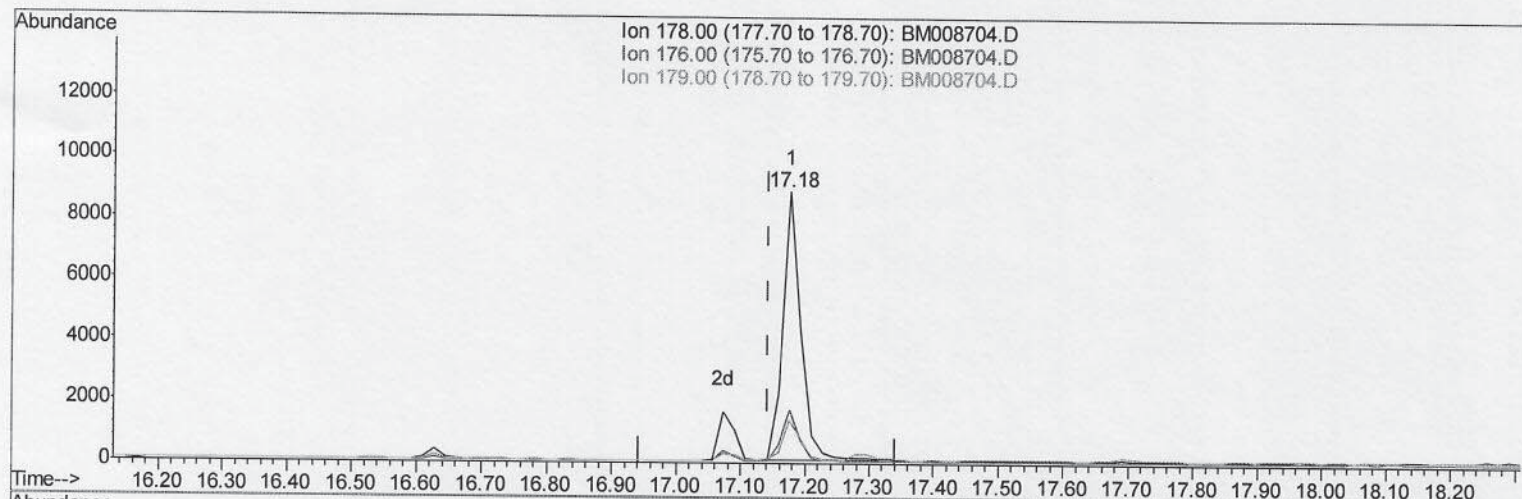
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:40:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

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TIC: BM008704.D

(12) Phenanthrene

17.176min (+0.034) 3.16ng/ul

response 17192

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	19.54
179.00	17.00	16.05
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

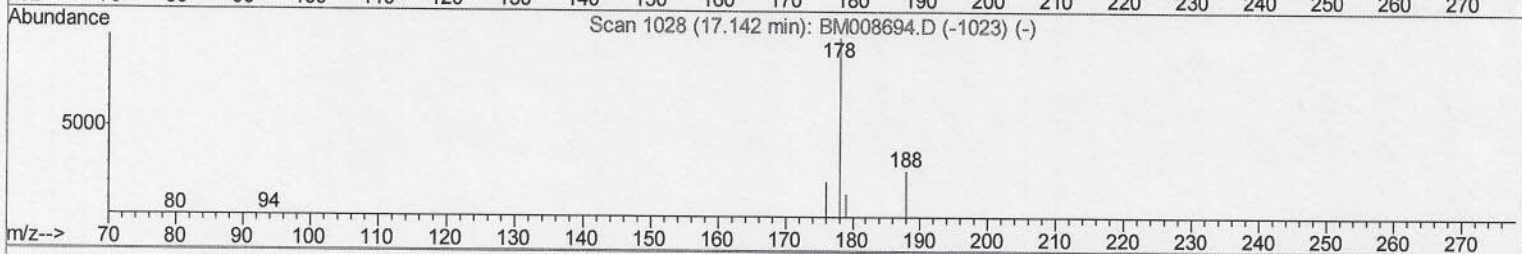
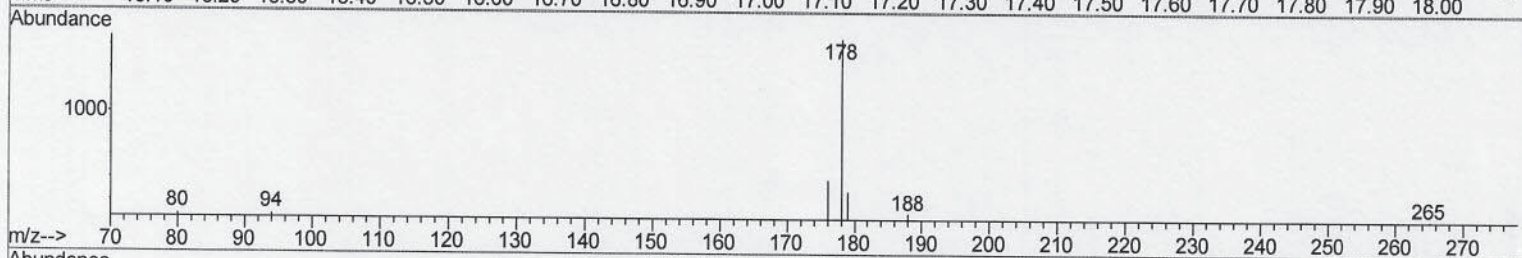
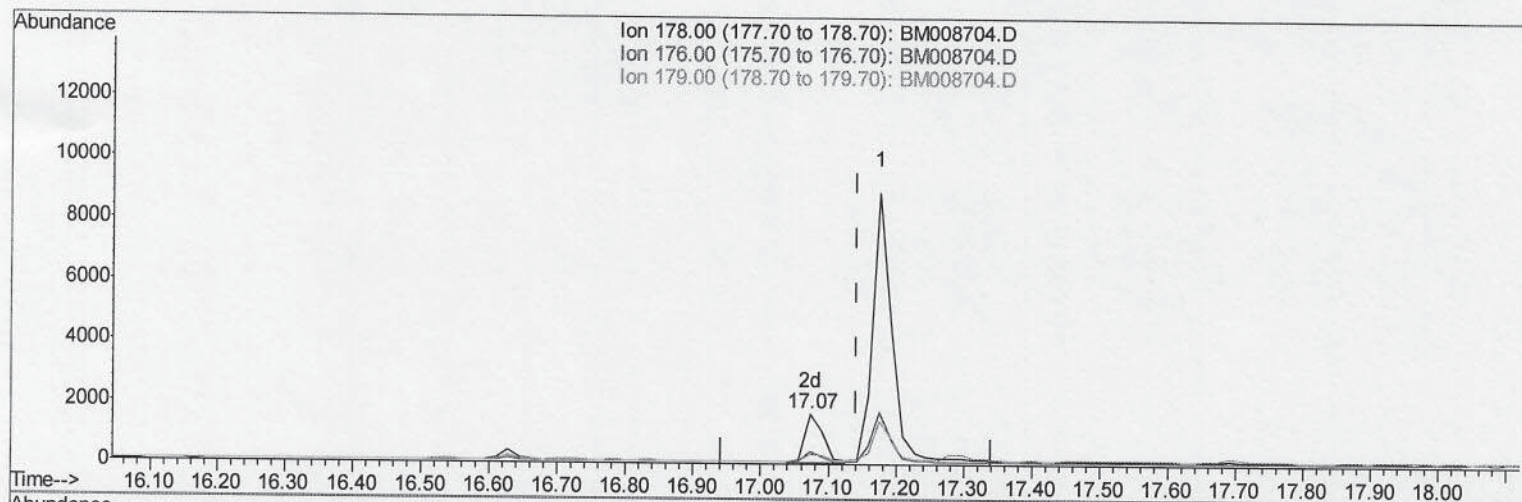
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:40:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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TIC: BM008704.D

(12) Phenanthrene

17.073min (-0.069) 0.57ng/ul m

response 3106

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	24.40
179.00	17.00	18.44
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008704.D
Acq On : 28 Dec 2016 21:33
Operator : UM/SJ
Sample : H6067-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

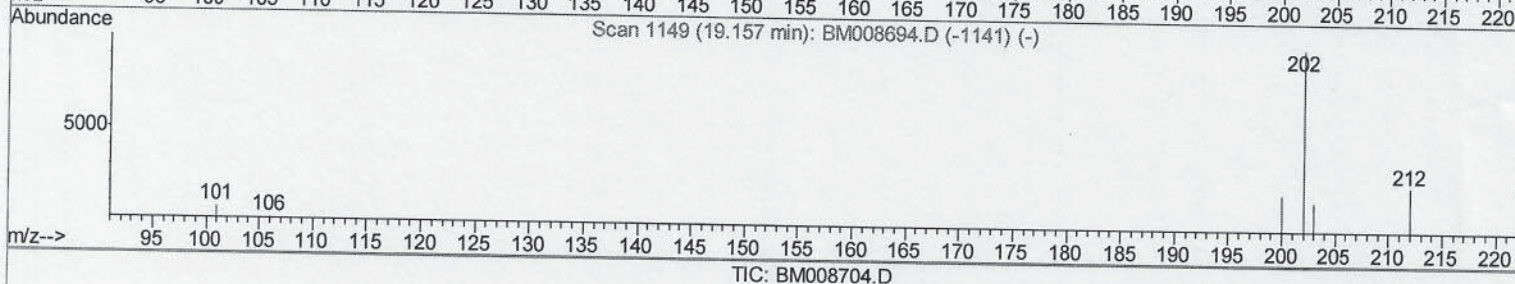
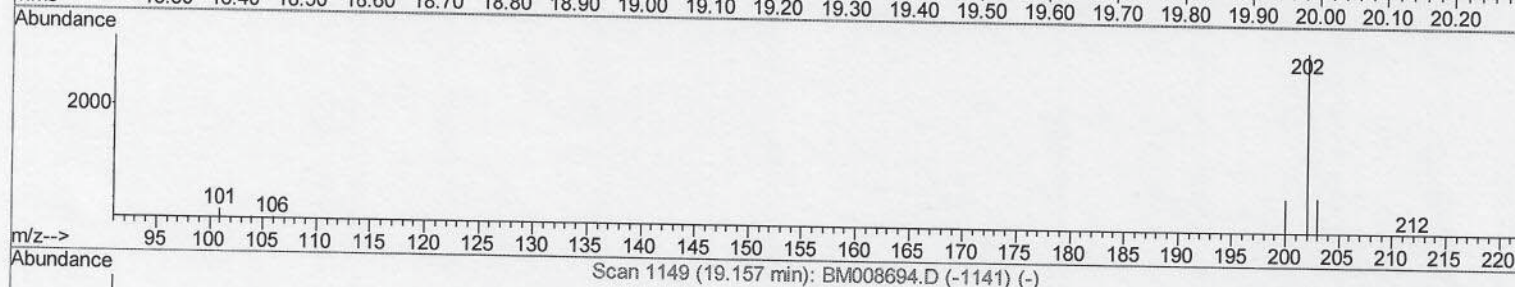
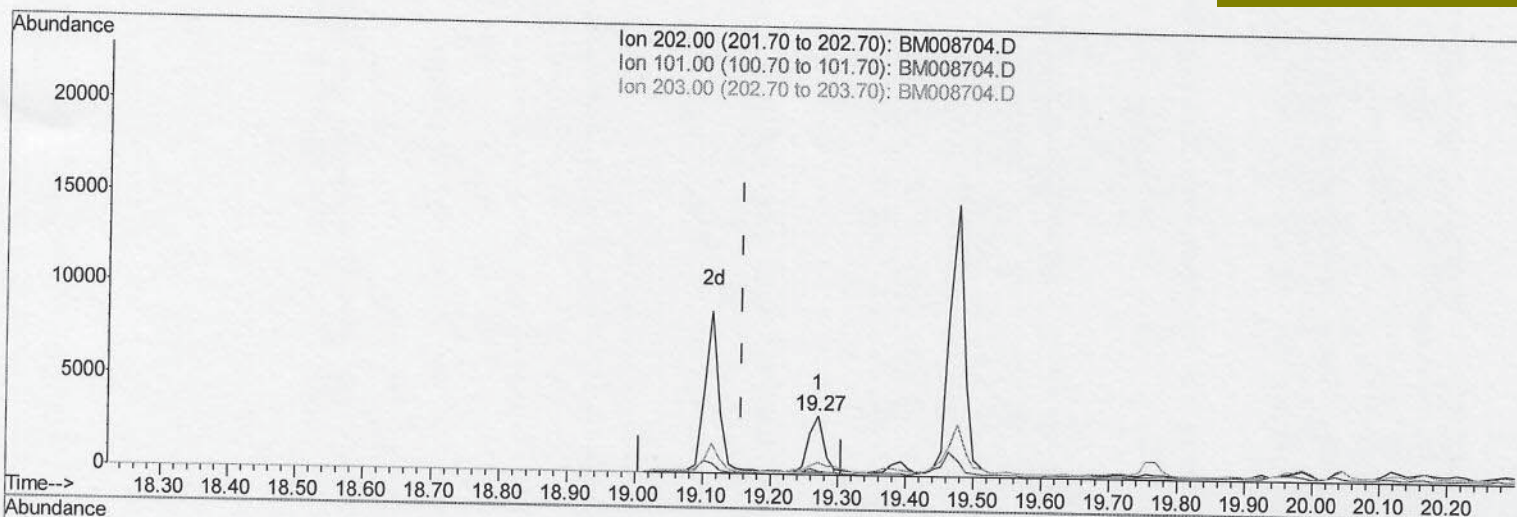
Instrument :
BNA_M
ClientSampleId :
DA7G0

Quant Time: Dec 29 04:40:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

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(15) Fluoranthene (C)

19.271min (+0.114) 0.71ng/ul

response 4714

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	6.96
203.00	19.50	22.09
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

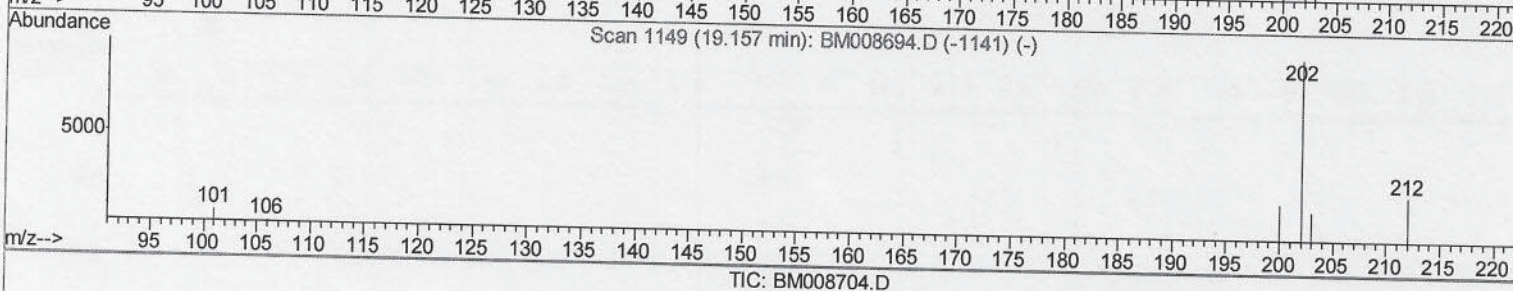
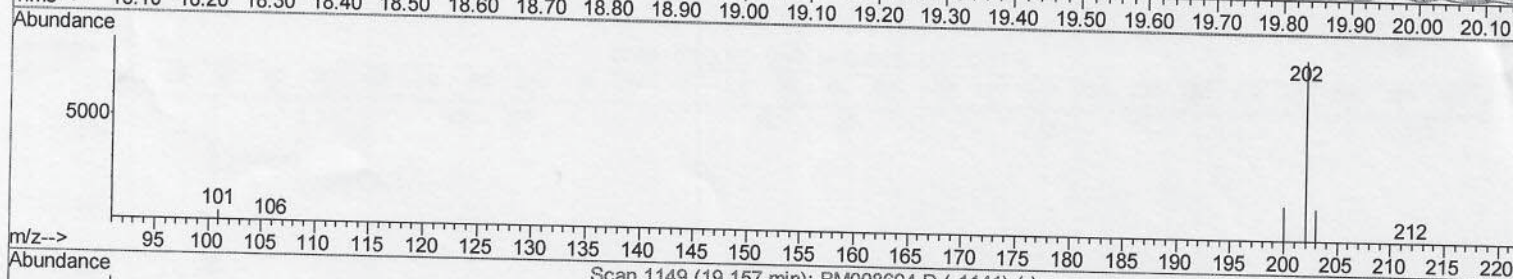
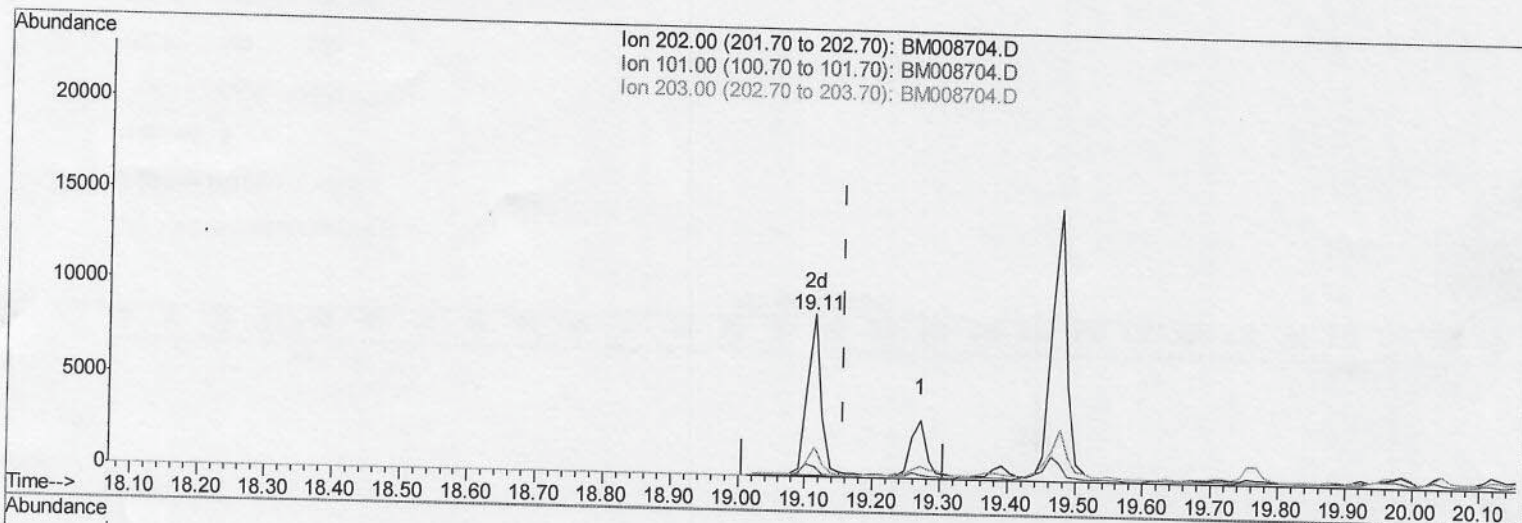
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:40:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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(15) Fluoranthene (C)

19.113min (-0.043) 1.87ng/ul m

response 12479

SJ
 12/30/16

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	6.02
203.00	19.50	18.73
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008704.D
Acq On : 28 Dec 2016 21:33
Operator : UM/SJ
Sample : H6067-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

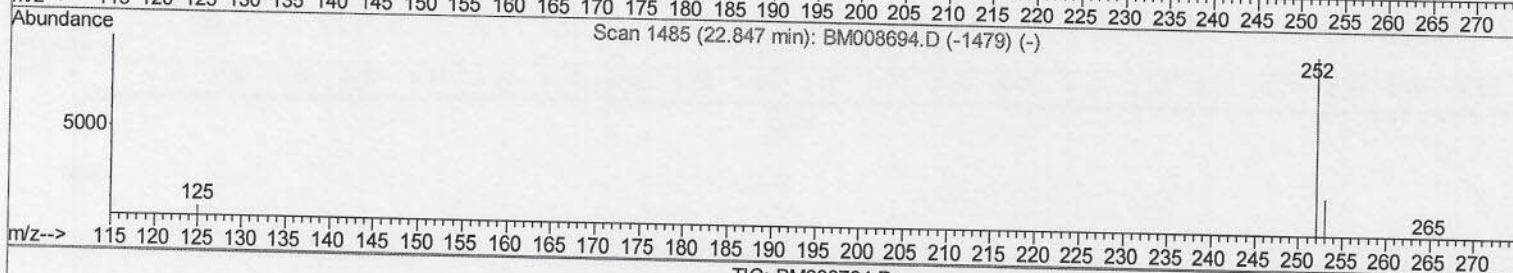
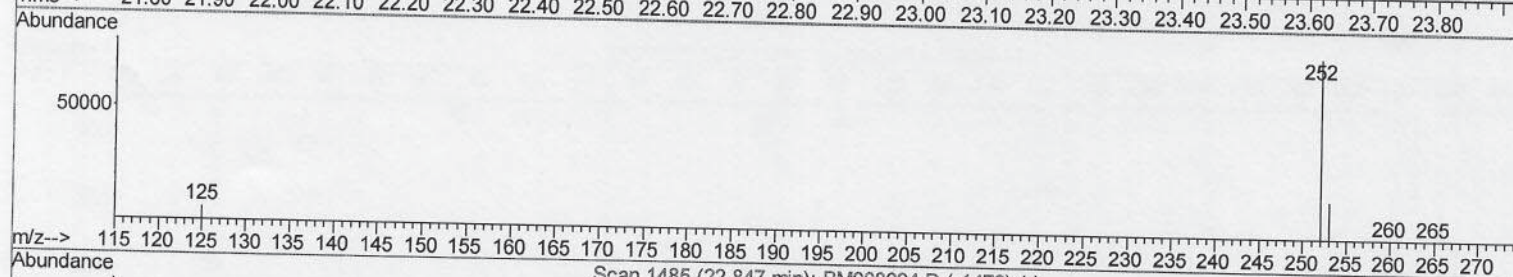
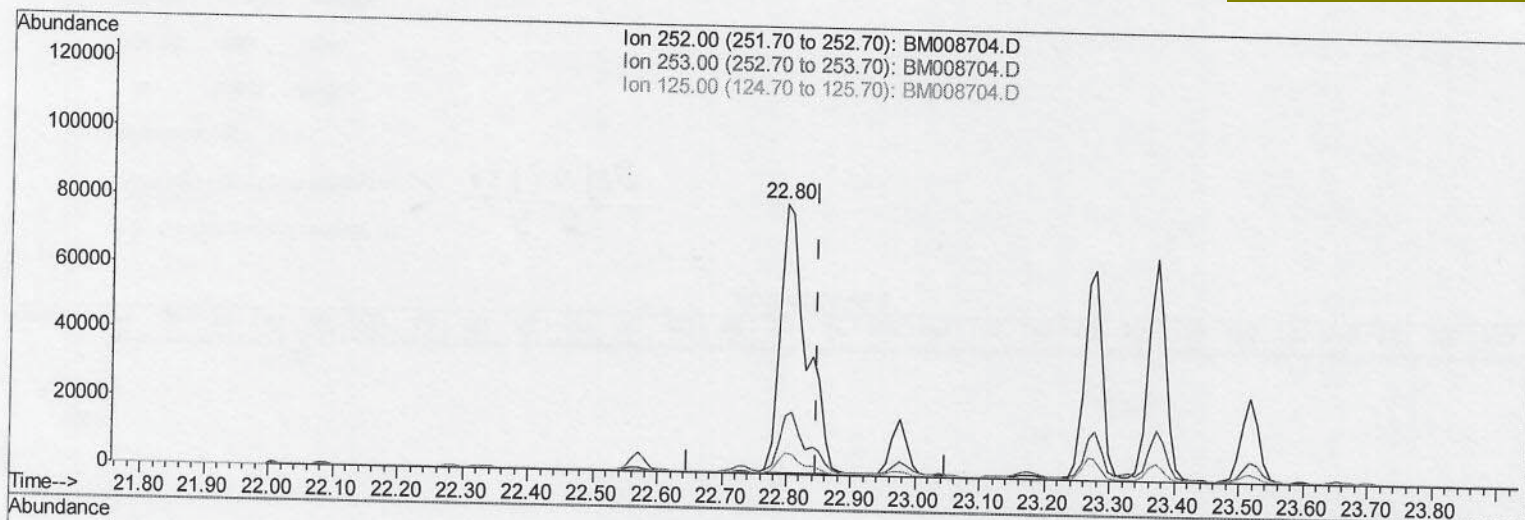
Instrument :
BNA_M
ClientSampleId :
DA7G0

Quant Time: Dec 29 04:40:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BM008704.D

(21) Benzo(b)fluoranthene

22.798min (-0.049) 27.86ng/ul

response 224224

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	21.22
125.00	17.50	7.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

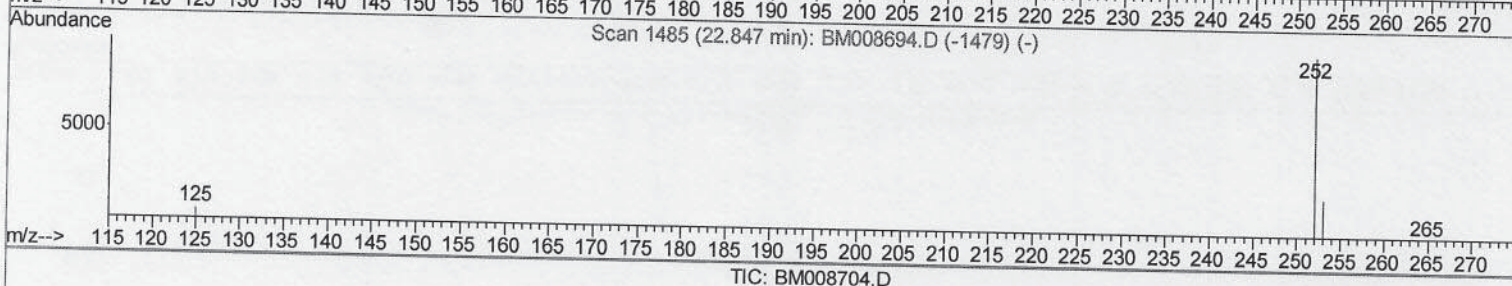
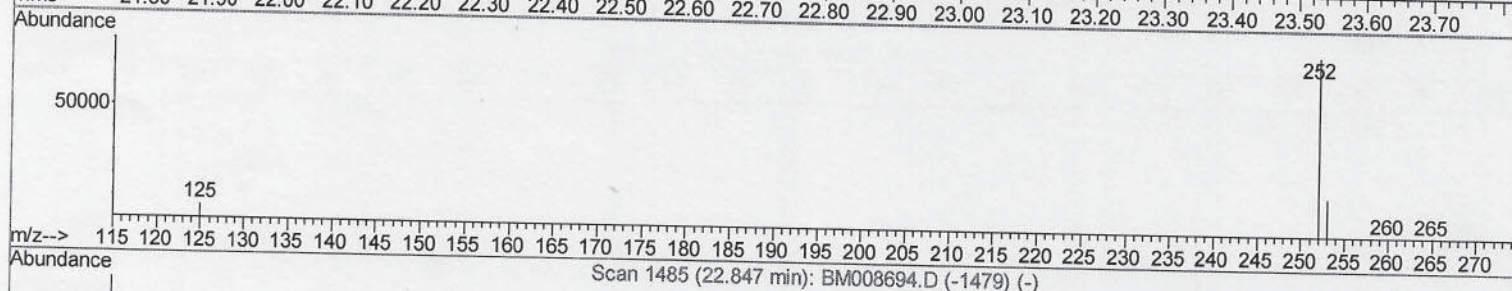
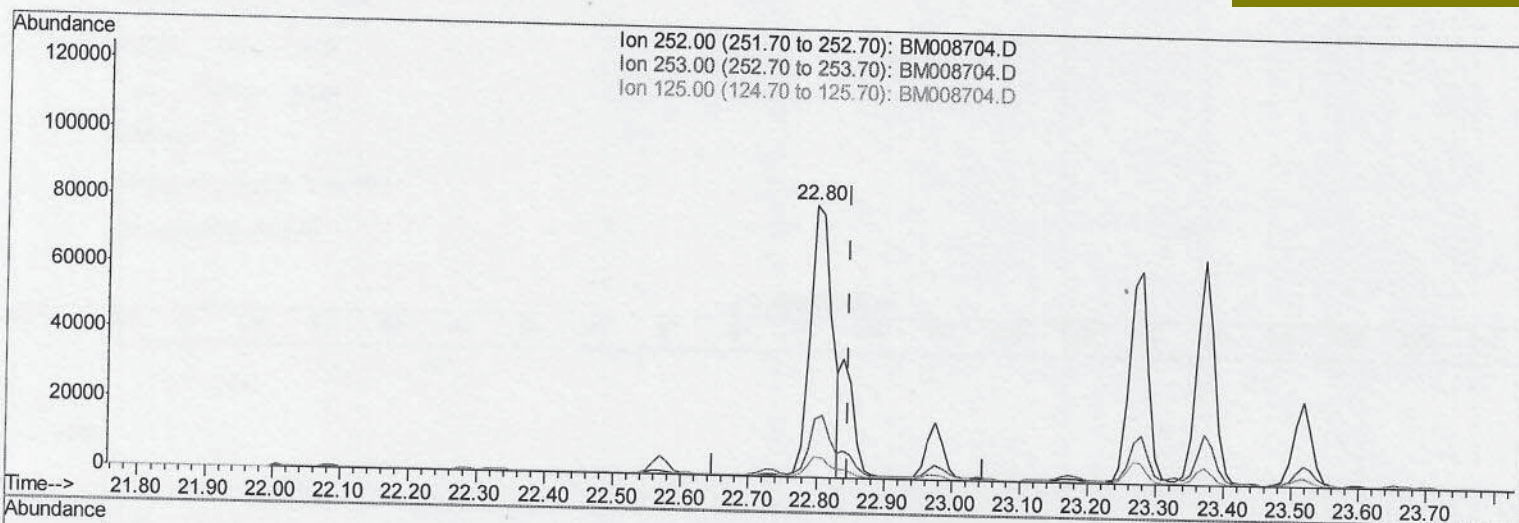
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:40:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(21) Benzo(b)fluoranthene

22.798min (-0.049) 22.30ng/ul m

response 179484

S.J
 12/30/16

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	21.22
125.00	17.50	7.78
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008704.D
Acq On : 28 Dec 2016 21:33
Operator : UM/SJ
Sample : H6067-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

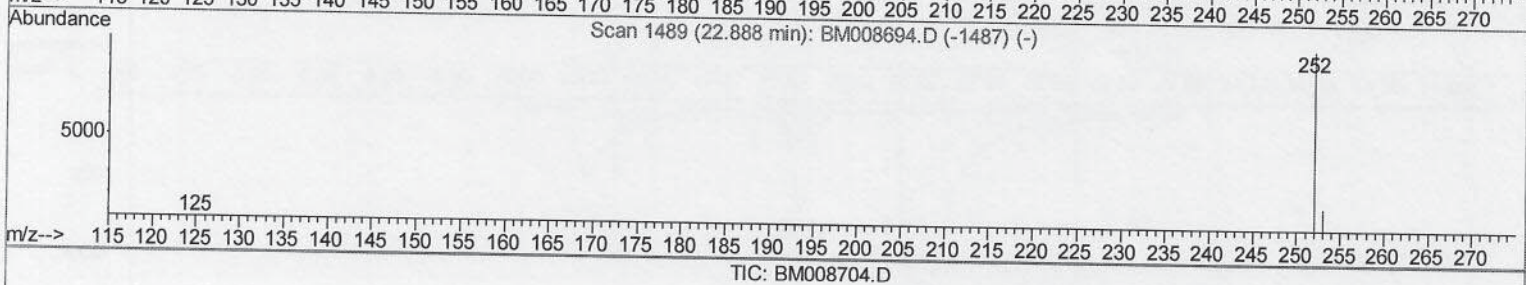
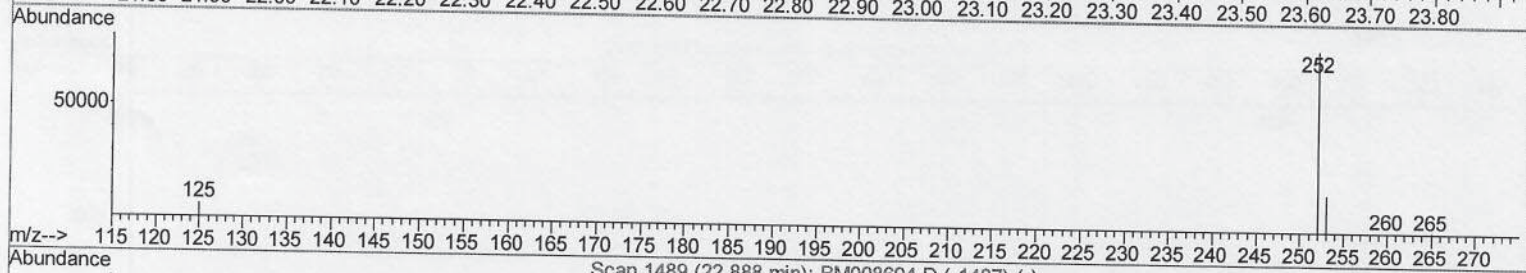
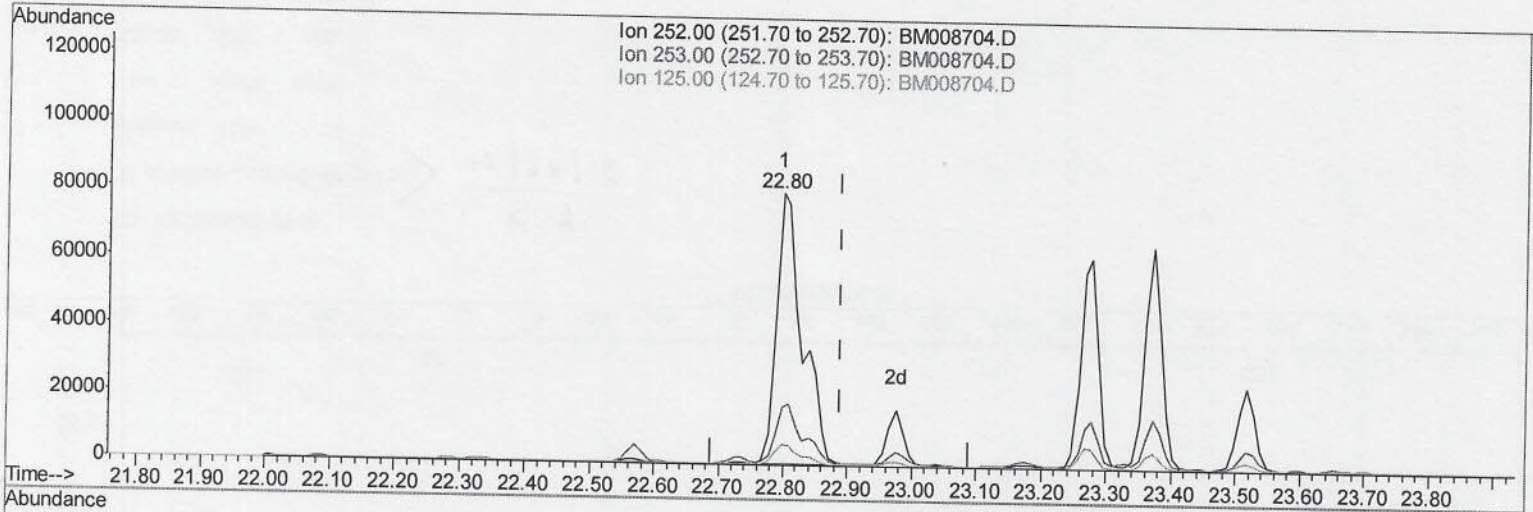
Instrument :
BNA_M
ClientSampleId :
DA7G0

Quant Time: Dec 29 04:40:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Manual Integrations
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(22) Benzo(k)fluoranthene

22.798min (-0.090) 28.57ng/ul

response 224224

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	21.22#
125.00	17.10	7.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

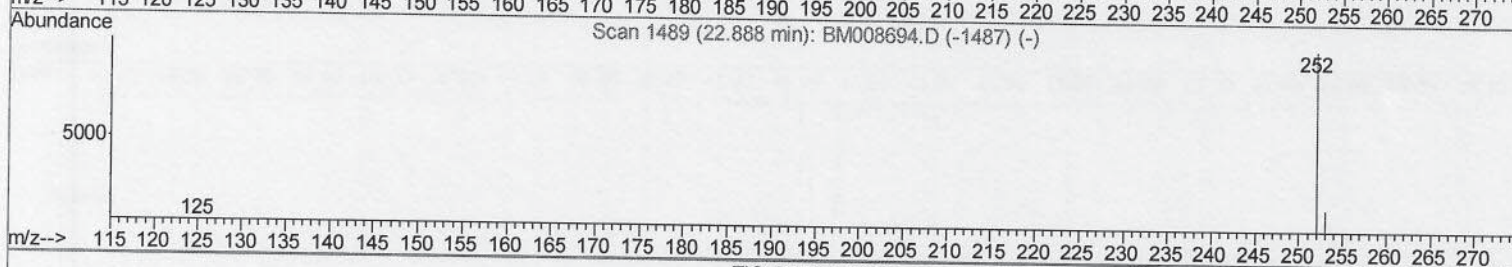
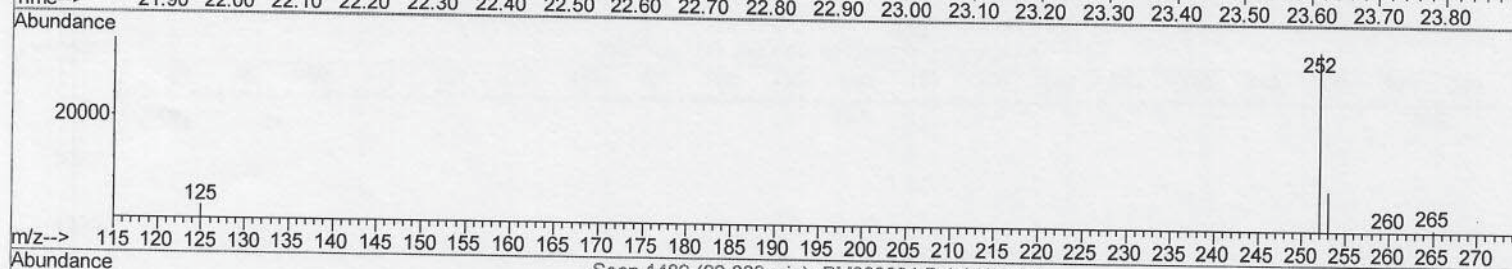
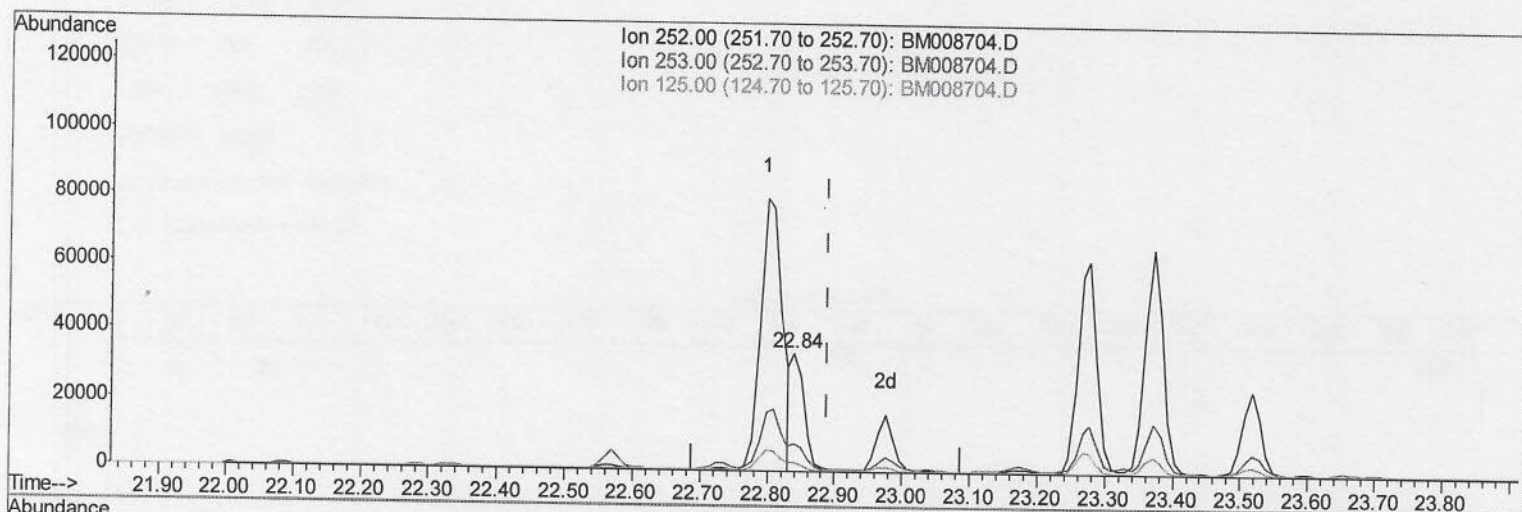
Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:40:47 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
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(22) Benzo(k)fluoranthene

22.840min (-0.049) 6.20ng/ul m

response 48668

S.J
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Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.69#
125.00	17.10	7.75#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 04:42:48 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad

12/30/2016 8:53:54 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.65	152	444m	0.40	ng/ul	-0.17	> S.J
2) Naphthalene-d8	10.44	136	1298	0.40	ng/ul	-0.12	12/30/16
6) Acenaphthene-d10	14.28	164	894m	0.40	ng/ul	-0.07	S.J
10) Phenanthrene-d10	17.04	188	1781m	0.40	ng/ul	-0.07	12/30/16
16) Chrysene-d12	21.24	240	1741	0.40	ng/ul	-0.04	
20) Perylene-d12	23.48	264	2043	0.40	ng/ul	-0.05	
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.06	152	327	0.16	ng/ul	-0.10	
14) Fluoranthene-d10	19.09	212	892	0.18	ng/ul	-0.04	
Target Compounds							
3) Naphthalene	10.49	128	1068	0.29	ng/ul#	86	
5) 2-Methylnaphthalene	12.13	142	412	0.17	ng/ul	88	
7) Acenaphthylene	14.01	152	11253	2.78	ng/ul	95	
8) Acenaphthene	14.35	153	351	0.12	ng/ul#	89	
9) Fluorene	15.36	166	651	0.19	ng/ul#	84	
12) Phenanthrene	17.07	178	3106m	0.57	ng/ul		> } S.J
13) Anthracene	17.18	178	17204	3.26	ng/ul	94	12/30/16
15) Fluoranthene	19.11	202	12479m	1.87	ng/ul		> }
17) Pyrene	19.48	202	22566	3.35	ng/ul	97	
18) Benzo(a)anthracene	21.22	228	31868	5.57	ng/ul	97	
19) Chrysene	21.28	228	62370	9.96	ng/ul	91	
21) Benzo(b)fluoranthene	22.80	252	179484m	22.30	ng/ul		
22) Benzo(k)fluoranthene	22.84	252	48668m	6.20	ng/ul		} S.J
23) Benzo(a)pyrene	23.37	252	118606	15.90	ng/ul#	75	12/30/16
24) Indeno(1,2,3-cd)pyrene	25.71	276	120334	13.53	ng/ul#	90	
25) Dibenzo(a,h)anthracene	25.70	278	31728	4.47	ng/ul#	88	
26) Benzo(g,h,i)perylene	26.39	276	123283	16.17	ng/ul#	87	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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